

A

Notice of Allowability	Application No.	Applicant(s)	
	10/789,366	SONG, HEYG-KYU	
	Examiner	Art Unit	
	Lucy P. Chien	2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed on 2/27/2004.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION
REASONS FOR ALLOWANCE

Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance:

Fitzgibbons (US 3838909) discloses in Figure 2, the LCD (12) placed to the side of the display and the prism (24) placed behind it. The viewer can view the image from the front of the LCD.

Fitzgibbons does not disclose an L-shaped wedge prism with a leg portion and wedge foot portion having a first surface adapted to receive the liquid crystal display. Nor does Fitzgibbons disclose an opposing sloped second surface, the leg portion having a top surface, a shoulder, a third surface extending from the top surface to the shoulder, and the shoulder contiguous with the second sloped surface. Moreover, Fitzgibbons does not disclose the prism lens with a sloped base having an angle of slope reciprocal to the angle of slope of the sloped second surface and an opposing front lens surface lying in a plane closely parallel to the plane of the first surface. Also the polarizing medium and partial transmission mirror are not disclosed.

In addition, the light source is not emitted from the top surface of the leg of the L-shaped wedge prism to illuminate the liquid crystal display so the image of the LCD can be emitted through the prismic lens for viewing.

Details regarding the specific shapes of the components do not closely read on those specifics set forth in the present invention. Therefore, Claim 1 is allowed over the prior art, as are dependent claims 2-20.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following describes pertinent art:

Sawayama (US 6288760) discloses (Figure 1) a frontlight (50) placed in front of the LCD (10).

Sawayama does not disclose an L-shaped wedge prism with a leg portion and wedge foot portion having a first surface adapted to receive the liquid crystal display. Nor does Sawayama disclose an opposing sloped second surface, the leg portion having a top surface, a shoulder, a third surface extending from the top surface to the shoulder, and the shoulder contiguous with the second sloped surface. Moreover, Sawayama does not disclose the prism lens with a sloped base having an angle of slope reciprocal to the angle of slope of the sloped second surface and an opposing front lens surface lying in a plane closely parallel to the plane of the first surface. Also the polarizing medium and partial transmission mirror are not disclosed.

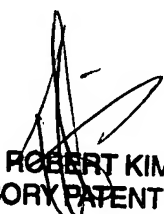
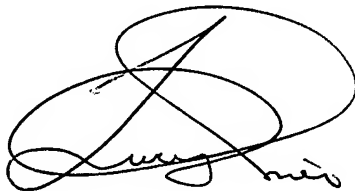
In addition, the light source is not emitted from the top surface of the leg of the L-shaped wedge prism to illuminate the liquid crystal display so the image of the LCD can be emitted through the prismic lens for viewing.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lucy P. Chien whose telephone number is 571-272-8579. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571)272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lucy Chien
Examiner
Art Unit 2871
LC



ROBERT KIM
SUPERVISORY PATENT EXAMINER